

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Mark L. Rutherford

Application No.: Not Yet Assigned

Art Unit: Unknown

Filed: February 27, 2004

Examiner: Unknown

For: PARTITIONED CONTROL SYSTEM AND
METHOD

Atty Docket No.: 503447-605002

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

This Statement is submitted in compliance with 37 C.F.R. § 1.56.

A list of patent(s) and/or publication(s) is set forth on the attached Form PTO-1449. Copies of the listed items are enclosed, if required. Applicant calls to the Examiner's attention that the Applicant has established by a 37 C.F.R. § 1.132 declaration in the parent case that the relevant portions of the Debelak reference are the Applicant's own work

No fee is believed to be due for entry of this Information Disclosure Statement. However, if any fee should be required, please charge such fee to Jones Day's Deposit Account No. 501432, Reference No. 503447-605002.

Respectfully submitted,

Date

Feb. 27, 2004


Paul E. Franz

45,910

(Reg. No.)

JONES DAY

North Point

901 Lakeside Avenue

Cleveland, Ohio 44114

(216) 586-1162

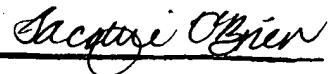
"Express Mail" Mailing Label No. EV243779266US

Date of Deposit February 27, 2004

Enclosures

I hereby certify that this paper or fees is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

By



FORM PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))	Atty Docket No.: 503447605002 Page 1 of 2 Application No.: Not Yet Assigned Applicant: Mark L. Rutherford Filed: February 27, 2004 Group: Not Yet Assigned
---	---

U.S. PATENT DOCUMENTS								
Exam. Init.		Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date	
	AA	4,663,703	05/05/1987	Axelby et la.	364	149		
	AB	4,814,968	03/21/1989	Fukumoto	364	150		
	AC	4,842,089	06/27/1989	Kimbrough et al.	180	79.1		
	AD	4,860,215	08/22/1989	Seraji	364	513		
	AE	5,034,312	07/23/1991	Saito	430	569		
	AF	5,394,322	02/28/1995	Hansen	364	148		
	AG	5,455,763	10/03/1995	Feingold	364	149		
	AH	5,481,453	01/02/1996	Desantis	364	162		
	AI	5,561,599	10/01/1996	Lu	364	164		
	AJ	5,791,160	08/11/1998	Mandler et al.	62	611		
	AK	6,162,488	12/19/2000	Gevelber et al.	427	8		
	AL	6,546,295	04/08/2003	Pyotsia et al.	700	37		

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION								
Exam. Init.		Document Number	Publication Date of the Grant	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	DA							

OTHER DOCUMENTS (Including Author, Title, Date**, Relevant pages, Place of Publication***)	
	Debelak, Kenneth A. et al. Partitioned Error Control. <i>Ind. Eng. Chem. Res.</i> 38 : 4113-4119 (1999) Lundstrom, Petter et al. Two-Degree-of-Freedom Controller Design for an Ill-Conditioned Distillation Process Using μ -Synthesis. <i>IEEE Transactions on Control Systems Technology</i> , 7 : No. 1, 12-21 (1999) Limebeer, D. J. N. et al. On the Design of Robust Two Degree of Freedom Controllers. <i>Automatica</i> 29 : No. 1, 157-168 (1993) van Diggelen, F. et al. A Hadamard Weighted Loop Shaping Design Procedure. <i>Proceedings of the 31st IEEE Conference on Decision and Control</i> . 2 : 2193-2198 (1992) Skogestad, Sigurd et al. Robust Control of Ill-Conditioned Plants: High-Purity Distillation. <i>IEEE Transactions on Automatic Control</i> 33 No. 12, 1092-1105 (1988)

Examiner	Date Considered
----------	-----------------

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))	Atty Docket No.: 503447605002	Page 2 of 2
	Application No.: Not Yet Assigned	
	Applicant: Mark L. Rutherford	
	Filed: February 27, 2004	
	Group: Not Yet Assigned	

U.S. PATENT DOCUMENTS

Exam. Init.		Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date
	AM						
	AN						

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

Exam. Init.		Document Number	Publication Date of the Grant	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	DA							

OTHER DOCUMENTS (Including Author, Title, Date, Relevant pages, Place of Publication***)**

	Lopez, A.M., Tuning Controllers With Error-Integral Criteria. <i>Instrumentation Technology</i> 57-62 (1967) Rovira, Alberto A., Tuning Controllers for Setpoint Changes. <i>Instruments & Control Systems</i> 42 : 67-69 (1969) Tyreus, Bjorn D., et al. Tuning PI Controllers for Integrator/Dead Time Processes. <i>Ind. Eng. Chem. Res.</i> 31 : 2625-2628 (1992) Murrill, Paul W., The Controller; The Adjustment of Controllers; Controllers and Degrees of Freedom. <i>Automatic Control of Processes</i> . International Textbook Company, Scranton, Pennsylvania Ch. 16, 17, 18 319-385 (1967) Skogestad, Sigurd et al. Classical Feedback Control. <i>Multivariable Feedback Control Analysis and Design</i> , John Wiley & Sons Ltd., West Sussex PO19 1US, England Ch. 2 15-62 (1996) Astrom, Karl J. et al. Disturbance Models; Design: An Overview; Adaptive Control. <i>Computer Controlled Systems Theory and Design</i> , Prentice-Hall, Inc., Englewood Cliffs, NJ Ch. 6, 7, 14 121-173; 343-360 (1984) Morari, Manfred et al. Fundamentals of SISO Feedback Control. <i>Robust Process Control</i> , Prentice Hall, Inc., Englewood Cliffs, NJ Ch 2 11-38 (1989) Horowitz, Isaac M. Design of Feedback Control Systems for Independent Control of Transmission and Sensitivity Functions. <i>Synthesis of Feedback Systems</i> , Academic Press New York and London Ch. 6 246-298 (1963)
--	---

Examiner	Date Considered
----------	-----------------

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.